



ICOEM BOX ATS 21-10

Reference: BOX ATS 21-10

ICOEM BOX ATS 21-10 Network-Group Switching Switchboard

ICOEM BOX ATS 21-10 CONTROL AND REMOTE SWITCHING SINGLE PHASE GENERATOR SET WITH POWER UP TO 10KW

ICOEM BOX ATS 21-10

New range of universal ATS Boxes, for single phase Generating Sets control, power up to 10kW with automatic network remote control.

ATS Automatic Intervention Box unit for generator set control with engine start and automatic mains remote control functions. ICOEM BOX ATS 21-10, complete with microcontroller, remote control devices, connection control operators and wiring, is assembled in a special Box in watertight execution and composed as described below:

ICOEM BOX ATS 21-10:

ABS resin container with front cover in transparent polycarbonate with thermal resistance up to 650 °C; impact resistance Ik08; protection degree ? IP55.

ICOEM BOX ATS 21-10 EQUIPMENT:

Single-pole switches/fuses for protection of control and command circuits, for currents up to 2A, 230V;

Control and command unit, programmable type 12 I/O PNP/NPN expandable, with CPU with 10ms/cycle clock, EEPROM Flash 32kbyte; Ethernet port; RS232/485 port;

Electrically and mechanically interlocked contactors for network/group remote switching

Maintenance battery charger 12V 2 A;

Automatic/Manual Control Selector;

Status light indicators for indication of operation mode/fault, with voltage presence signals mains power supply; motor started, operating anomaly.

DIN 35 rail type power circuit interconnection terminal block, 6mmq section, with screw clamping;

5-pole quick coupler connector for interconnecting the control signals of the generator set, through optional pre-connected cable;

Circuitry, complete with: wiring accessories; PVC insulated copper cables at 450/750 V; connectors; screws; and anything else necessary to ensure the correct operation of the ICOEM BOX ATS 21-10 and regulatory compliance.

FUNCTIONS of ICOEM BOX ATS 21-10:

The ICOEM BOX ATS 21-10 connected to the genset performs the following functions:

Surveillance of the public network, in case of lack of which, the unit starts the genset;

Load switching, when the genset is started, the device switches the load under the genset.

Restore operation under the public mains, when the mains voltage returns, the device switches the load under the public mains and then stops the genset.

When the genset is switched off automatically, the ICOEM BOX ATS 21-10 maintains the battery charge.

DIMENSIONS ICOEM BOX ATS 21-10:

Depth: 132 mm
Width: 350 mm
Height: 400 mm

REFERENCE STANDARDS AND CERTIFICATIONS:

All components and equipment of the ICOEM BOX ATS 21-10 , are of the type meeting the safety requirements of the relevant standards, appropriate to the type of installation envisaged and in compliance with industry standards.
Ref. Regulations: CEI-EN 61439-1/2; BT Directive 2014/35/EU; EMC Directive 2004/108/EC.

images and technical data not binding

Technical Sheet

Phase	Single phase
Maximum power single phase (KW)	10
Voltage (V)	230
Protection degree	IP55
Length (mm)	132
Width (mm)	350
Height (mm)	400
Product type	Switching Frame